

iQuake®

Portable Media Device Player MKII Series User's Manual



Models:
IQ-52W (white)
IQ-52B (black)
IQ-52S (silver)
IQ-52R (red)
IQ-52P (pink)



Table of Contents

Safety Instructions.....	3
Unpacking System Components.....	5
System Installation Considerations.....	5
Connection Tips.....	5
What Your IQ-52 Comes With.....	6
Front Panel Features.....	6
Rear Panel Features.....	7
IQ-52 Amplifier Overview.....	8
IQ-52 Remote Control Features.....	9
Installation and Precautions.....	10
Connection Info.....	11
Compatible Products.....	12
Frequently Asked Questions.....	12
Specifications.....	13
Warranty Information.....	14



The Sound That Will Move You

Earthquake Sound Corporation
2727 McCone Avenue
Hayward, CA 94545
Tel: 510-732-1000
Fax: 510-732-1095

Customer Support
tech@earthquakesound.com
Tel: 800-576-7944
Fax: 510-732-1095

© 2010 Earthquake Sound Corporation. All rights reserved.

This document should not be construed as a commitment on the part of Earthquake Sound Corporation. The information is subject to change without notice. Earthquake Sound Corporation assumes no responsibility for errors that may appear within this document.

Safety Instructions

Safety First

This documentation contains general safety, installation, and operating instructions for the iQuake-52 MKII Series. It is important to read this user's manual before attempting to use this product. Pay particular attention to the safety instructions.

Symbols Explained:



Appears on the component to indicate the presence of uninsulated, dangerous voltage inside the enclosure – voltage that may be sufficient to constitute a risk of shock.

CAUTION

Calls attention to a procedure, practice, condition or the like that, if not correctly performed or adhered to, could result in injury or death.

WARNING

Calls attention to a procedure, practice, condition or the like that, if not correctly performed or adhered to, could result in damage to or destruction of part or all of the product.

Note:

Calls attention to information that is essential to highlight.

Safety Instructions (continued)

- 1) Read these instructions in their entirety.
- 2) Store this manual and packaging in a safe place.
- 3) Heed all warnings.
- 4) Follow instructions (do not take shortcuts).
- 5) Do not use this apparatus near water.
- 6) Clean only with a dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatuses that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. The grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments and accessories specified by the manufacturer.
- 12) Use only a compatible rack or cart for the final resting position.
- 13) Unplug this apparatus during lightning storm or when unused for a long period of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in a way such as: power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15) To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Unpacking System Components

- Keep the original carton and packing materials for future shipment or storage.
- Check for any visual signs of damage. If you encounter any concealed damage, consult your Earthquake Sound dealer before proceeding with unit installation.
- Retain the sales receipt as it establishes the duration fo the limited warranty and provides information for insurance purposes.

System Installation Considerations

There are several factors to consider before installing Earthquake Sound's iQuake-52.

- What are the intended listening zones?
- What system options and accessories might be required for features such as local sources, etc.?
- From where in each zone will the listener prefer to control the system? Where will the remote gains be located? Where will the speakers be located?
- Where will the source equipment be located?

Connection Tips

- Keep all power cords away from all signal cables to prevent humming from induced noise.
- Choose reliable signal cable cords (Earthquake Sound also specializes in high performance RCA cables and patches).
- All speaker wires that are ran through the walls should be twisted type to reduce potential hum noise pick-up.
- Label both ends of all wires with the corresponding room location.
- It is best to use a grounded electrical outlet to power the amplifier. Lack of input ground reference could be unsafe. Consult with your electrical contractor about proper grounding.

What's in the Box?

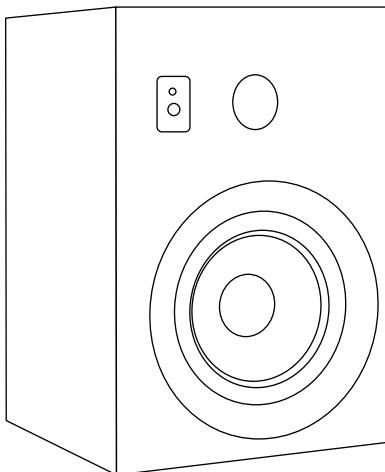
Your IQ-52 box contains:

- Two IQ-52 speakers (Left and Right)
- Left Speaker: Has a built-in amplifier, Volume control, Aux AC Output, S-video Output, USB Sync Connector, Input mode select, iPod®, Universal Dock Adapters, auxiliary stereo input, main RCA stereo input and right channel signal output
- Right Speaker: Audio connection from left speaker on back
- One 1/8" stereo mini jack-to-RCA audio cable for use with the main inputs
- 3 meter, 1/4" to 1/4" speaker cable to send right channel audio to the right speaker
- 1.5 meter S-Video cable
- 1.2 meter USB cable
- AC power cable
- Universal Dock Adaptor compatible or iPod: 4pcs
- Black Remote Control
- Foam pad feet for speakers
- Owner's Manual

Front Panel Features

- **iPod® Universal Dock Adapters:** Plays & Charges an iPod®*
- **Tweeter:** 1" Magnetically Shielded Natural Silk Dome
- **LED:** Indicates whether the speakers (amplifier) power is on or off
- **Infrared Receiver:** Receives signals from the remote control
- **Woofer:** Magnetically shielded 5-1/4" woofer with carbon fiber cone
- **Enclosure:** Like the other components, the IQ-52's enclosure has an important role in shaping the overall sonic response. In order to provide more stable performance, the IQ-52's enclosure employs a special high acoustic efficiency MDF and unique interior reinforcement designed to absorb vibration and impact generated under extreme conditions. The exterior of the enclosure is finished with multi-layers of glossy lacquer paint. (white, black, silver, red, or pink)

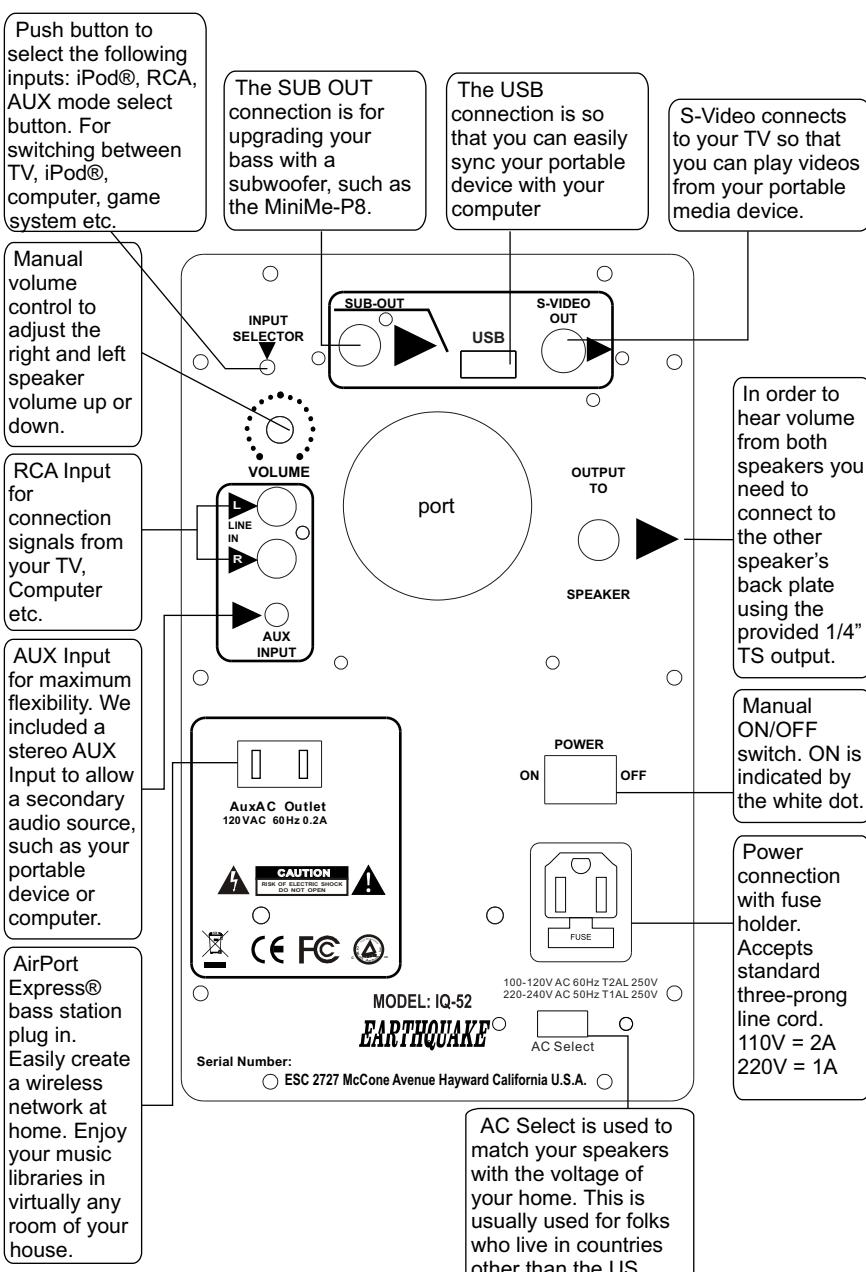
Note: *Charges most iPods®



Rear Panel Features

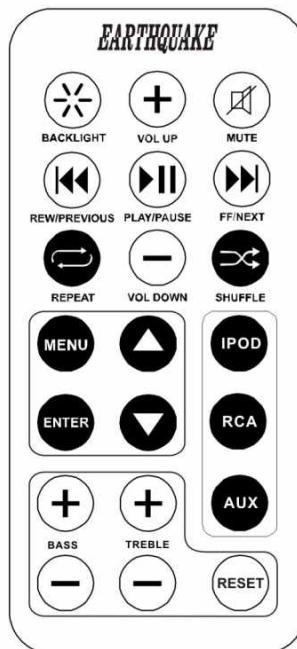
- **Input Mode:** iPod®, RCA, AUX mode select button.
- **USB:** To sync your iPod® with your computer.
- **S-Video:** A standard 4-pin S-Video cable connector.
- **RCA Input:** Used to connect signals from unbalance, -10dBv devices. The white connector is for the Left input and the red connector is for the Right input.
- **AUX Input:** For maximum flexibility, we have included a stereo “Aux in” input allowing a secondary audio source (such as your portable music player, computer, etc.).
- **Volume control:** Use the volume control to set the output sound pressure from the IQ-52 system to proper levels as required.
- **Vent Port:** This port extends the reproduction of very low frequencies.
- **1/4" Speaker Output:** Use 3 meter, speaker cable included in the IQ-52 package to connect the left and right speakers via the 1/4" jacks on the back of each speaker.
- **Power Switch:** This Switch turns the device on and off, The on position is indicated with the marking “•” (a white dot).
- **Power Receptacle with Fuse Holder:** Accepts a detachable 3-circuit line cord in order to power the device. Holds the external main fuse; 110V=2A, 220V=1A.
- **Aux AC Output:** Power outlet for AirPort Express® or wireless repeater devices.
- **SUB Out:** Supply signal below 80Hz Low Frequency for subwoofer.

IQ-52 Amplifier Overview



IQ-52 Remote Control Features

- **BACK LIGHT:** Press to turn on iPod back light for 30 seconds
- **MUTE:** Press to change between mute and mute off.
- **REPEAT:** Press to change iPod repeat status as follows: repeat off repeat one track repeat all track repeat off.
- **VOL UP:** Press “+” to increase the volume.
- **SHUFFLE:** Press to change iPod shuffle status as follows: shuffle off shuffle track shuffle album shuffle off
- **REW/PREVIOUS:** Press to play previous track. Press and hold this key to scan the track backward.
- **PLAY/PAUSE:** When iPod is on, press this key to change the play status between play or pause. When iPod is on, press and hold for 2 seconds to power off iPod When iPod is off, press this key to power on iPod
- **FF/NEXT:** Press to play next track, Press and hold to scan forward through the track.
- **MENU:** Works as your iPod Menu button.
- **VOL DOWN:** Press to decrease the volume.
- **MENU UP:** Works as your iPod Menu Up button.
- **ENTER:** Works as your iPod Enter button.
- **MENU DOWN:** Works as your iPod Menu Down button.
- **iPod:** Press to select iPod Input.
- **RCA:** Press to select RCA Input.
- **AUX:** Press to select Aux Input.
- **Battery Size:** 3V - CR2025



Installation

For optimal performance of the IQ-52, please read the following directions carefully before installation.

Precautions

Connections: Connect the RCA outputs of your IQ-52 to the corresponding computer sound card, portable music player, or other audio device. We recommend that you use the supplied cables (or cables of equal or higher quality) for all connections. Be sure that the IQ-52 is powered off before making any connections.

Correct Power Operation: Since the IQ-52 contains amplifiers, it must be connected to a power outlet using the detachable AC cable that is provided. Before connecting power, please make sure that the On/Off switch to the off position.

WARNING

Use of improper Voltage may result in hazardous conditions and/or damage to speaker components not covered by speaker warranty.

Speaker Wire Connections

Use 3 meter 1/4" TS to 1/4" TS speaker cable included in the IQ-52 package to connect the left and right speakers via the 1/4" TS jacks on the back of each speaker.

Connecting to a Computer Sound Card or Other Audio Output Device

Before connecting the IQ-52 Powered Speaker System, make sure the power from the computer or other output device has been turned off and the IQ-52 system is also turned off.

Plug the RCA cable to the corresponding output connectors of a computer sound card, portable music player, etc. You can also use the 1/8" stereo mini cable to connect a secondary audio device to the AUX input.

Connecting to iPod®

iPod® Universal Dock Adapters: Plays & Charges for your iPod®*
Universal Dock Adaptor compatible for iPods®: 4pcs, the number (8-11)
I. 8#. iPod nano® 2GB 4GB
II. 9#. iPod® with video 30GB
III. 10#. iPod® with video 60GB 80GB
IV. 11#. New iPod nano® 2GB 4GB 8GB

Note: *Charges most iPods®

Compatible With and Designed For:

- iPod® 10GB, 15GB, 20GB
- iPod® 30GB, 40GB
- iPod mini®: 4GB, 6GB
- iPod® 20GB, U2 Special Edition
- iPod® with color display: 20GB, 30GB, U2 Special Edition
- iPod® with color display: 40GB, 60GB
- iPod® nano 2GB, 4GB
- iPod® with video: 30GB
- iPod® with video: 60GB
- iPhone®
- iTouch®
- Other MP3 players/portable audio players
- AirPort Express®
- 3rd-party base stations/remotes (by Griffin, Ten, etc.)
- LCD/plasma TVs
- Garage band®
- Video game players
- DVD/Portable DVD players
- Satellite and digital radio receivers
- PDAs and mobile phones
- All other products with 1/8" mini-jack or RCA outputs

Note: All iPod®, iPhone®, iTouch®, AirPort Express®, and Garage band® products are registered trademarks of Apple, Inc. and have no affiliation with Earthquake Sound Corp.

Frequently Asked Questions:

Question: All is on but why is it not playing any music?

Answer: If you connected all items correctly and your audio is not coming through the speakers, check the input selection to ensure that the correct source is selected.

Question: Why won't the video display?

Answer: The Video Processor in the IQ-52 system may not play all devices with video capabilities.

Question: Why is the remote control not working?

Answer: The remote control has a plastic tab protecting the battery. Simply pull the plastic tab off.

Specifications

Type:	Two-way Powered Speaker System
LF Driver:	Woofer: 5-1/4" Magnetically Shielded Carbon Fiber Cone
HF Driver:	Tweeter: 1" Magnetically Shielded Natural Silk Dome
Frequency Response:	45Hz-22 kHz
Crossover Frequency:	3.0 kHz
S/N Ratio:	>95dB (typical, A-weighted)
Power:	200 Watts
Input Impedance:	10K Ohms Unbalanced
Polarity:	Positive signal at "+" input produces outward low-frequency cone displacement
Input Sensitivity:	100 mV pink noise input produces 95dBA output SPL at 1 meter with volume control at maximum
Protection:	RF interference, output current limiting, over temperature, turn on/off transient, subsonic filter
Indicator:	Power on/off indicator on front panel
Input Connectors:	iPod® Universal Dock Adapters, RCA Inputs, Aux Inputs
Output Connectors:	Aux AC Output, TRS Output, S-Video Output, USB Port-Sync
Input Mode:	iPod®, RCA, Aux Input Select
Power Requirements:	120V/60Hz
Dimension:	272.5mm(H) x 185mm(W) x 201mm(D)
Weight:	10Kg(without packaging)
Finish :	Multi Layer High Gloss Piano Lacquer
Color:	black, white, silver, red, pink

Warranty Information

Five (5) years limited warranty: MODEL# IQ52

Earthquake warrants the original purchaser that all Factory Sealed New Audio Products be free from defects in material and workmanship, under normal and proper use, for a period of five (5) years from the date of purchase (as shown on the original bill of sale with serial number affixed/written on it). The five (5) years limited warranty period is valid only if the product is properly installed by an Earthquake authorized party, and the warranty registration card is properly filled out and sent to Earthquake Sound Corporation. **If the product is installed by a non-authorized party, a ninety (90) days warranty period applies.**

(A) Five (5) years limited warranty plan coverage guidelines:

- **First year:** Earthquake pays for labor, parts, and ground freight (only in US mainland, not including Alaska and Hawaii) back to customer.
- **Second, Third, Fourth & Fifth year:** Earthquake pays labor only. Customer must pay for parts and shipping and handling both ways.

(B) Warning:

Products (sent for repair) that are tested by Earthquake technicians and deemed to have no problem will not be covered by the five (5) years limited warranty. Customer will be charged a minimum of one (1) hour of labor (ongoing rates) plus shipping charges back to customer.

(C) Earthquake agrees to repair or replace - at our option - all such defective products/parts subject to the following provisions:

- Defective products/parts have not been altered or repaired by other than an Earthquake factory approved technician.
- Products/parts are not subjected to negligence, misuse, improper use, or accident, damaged by improper line voltage, used with incompatible products, or have its serial number or any part of it altered, defaced or removed, or have been used in any way that is contrary to Earthquake's written instructions.

(D) Warranty Limitations:

Earthquake warranty does not cover products that have been modified or abused. Including but not limited to the following:

- Damages to speaker cabinet and cabinet finish due to misuse, abuse, or use of improper use of cleaning materials/methods.
- Bent speaker frame, broken speaker connectors, holes in speaker cone, surround & dust cap, burnt speaker voice coil.
- Fading, deterioration of speaker components & finish due to improper exposure to elements.

- Bent amplifier casing, damaged finish on the casing due to abuse, misuse, or improper use of cleaning material.
- Burnt tracers on PCB.
- Product/part damaged due to poor packaging or abusive shipping conditions.
- Subsequent damage to other products.

A warranty claim will not be valid if the warranty registration card is not properly filled & returned to Earthquake with a copy of the sales invoice.

(E) Service Request:

To receive product/s service, contact Earthquake service department at (510) 732-1000 and request an RMA number (Return Material Authorization), items shipped without a valid RMA number will be refused. Make sure you provide us with your complete/correct shipping address, a valid phone number, and a brief description of the problem you are experiencing with the product. In most cases, our technicians might be able to resolve the problem over the phone, thus eliminating the need to ship the product.

(F) Shipping Instructions:

Product/s must be packaged in its original protective box/es to minimize transport damage. Shipper claims regarding items damaged in transit must be presented to carrier. Earthquake Sound Corporation reserves the right to refuse product improperly packed. Original bill of sale must accompany product returned for service. We encourage you to include with the package a written description of the problem. Ship product to:

**Earthquake Sound Corp.
2727 McCone Avenue
Hayward, CA 94545
Ph (510) 732-1000**

You are responsible for the cost of shipping the product to Earthquake Sound Corporation.

(G) Disputes Resolution:

All disputes - between clients and Earthquake Sound Corporation - resulting from the five (5) years limited warranty policy must be resolved according to the laws & regulations of the county of Alameda -California.



Sound That Will Move You

Earthquake Sound reserves the right to amend details of the specifications without notice.

Copyright © Earthquake Sound Corporation

Earthquake Sound Corporation • 2727 McCone Avenue Hayward CA, 94545

Phone: 510-732-1000 Fax: 510-732-1095